

**Notice of Allowability**

Application No.

10/727,596

Applicant(s)

GADAMSETTY ET AL.

Examiner

Merilyn P. Nguyen

Art Unit

2163

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 09/18/2006 and the interview on 12/07/2006.
2. ☒ The allowed claim(s) is/are 9-11 and 13-16.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

***DETAILED ACTION***

1. In response to the communication dated September 18, 2006 and December 06-07,2006, claims 9-11 and 13-16 are active in this application and in the condition for allowance.

***Examiner's Amendment***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Eric Oliver, Reg. No. 35,307 on 12/06/06 and 12/07/06.

The application has been amended as follows:

14. (Currently Amended) A data processing method for use in a data processing system including an user interface, the method comprising: accessing data from a database; receiving input through said user interface from a user regarding said data; automatically constructing a frame based knowledge tree from said data in response to said act of receiving; and

determining [[there are no]] an absence of user-specified attributes; querying said data for all remaining attributes yet to be inducted into said knowledge tree; determining whether the quantity of said remaining attributes exceeds a predetermined number; and inducing said remaining attributes based on whether said quantity exceeds said predetermined number;

wherein said act of constructing comprises: identifying at least one product attribute in said data; identifying at least one unique attribute value associated with said at least one product attributes; and creating a new node of said knowledge tree for each unique attribute value identified.

### **Allowable subject matter**

3. The following is an examiner's statement of reason for allowance:

None of the references of record Bankier (US Patent No. 6,567,814) teaches or suggests the claimed (Claim 14) invention having, in addition to the other limitations in the claims, the limitation of "determining an absence of user-specified attributes; querying said data for all remaining attributes yet to be inducted into said knowledge tree; determining whether the quantity of said remaining attributes exceeds a predetermined number; and inducing said remaining attributes based on whether said quantity exceeds said predetermined number".

Dependent claims are allowable because they depend from base claim.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

### ***Conclusion***

5. A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) day from the day of this letter. Failure to respond within the period for response will cause the application to become abandoned (see M.P.E.P 710.02(b)).

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6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Witt, JR. U.S 2003/0220949 discloses automatic deletion in data storage management.

Gordon U.S 2006/0041836 discloses information document system with improved speed, completeness, retrieveability and granularity.

Takeuchi U.S Patent No. 5,526,522 discloses automatic program generating system using recursive conversion of a program specification into syntactic tree format and using design knowledge base.

Jennifer Neville, David Jensen, Lisa Friedland and Michael Hay disclose, "Learning Relational Probability Trees", 2003.

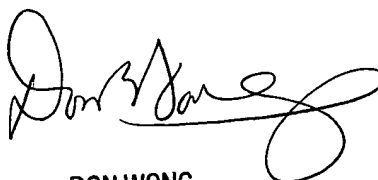
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marilyn P Nguyen whose telephone number is 571-272-4026. The examiner can normally be reached on M-F: 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300 for regular communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

MN  
MN

December 08, 2006



DON WONG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100